

## ABSTRACT OF THE DISCLOSURE

An optical information recording medium includes a substrate formed in a concave-convex state by providing pits or grooves corresponding to recorded information, used for optically reproducing the information by irradiation of a light beam, and may also include a recording layer. The optical information recording medium includes a temperature responsive layer whose reflectance and/or transmittance for the light beam changes with a change in temperature caused by the irradiation of a light beam. With such an arrangement, the present invention provides an optical information recording medium enabling secure and highly accurate reproduction of information recorded with high density, and the recording and reproduction methods thereof.